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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/632,891 08/01/2003		Shaupoh Wang	42173/011	3058		
29493	7590 11/22/2005	EXAM	EXAMINER			
	EPPENBERGER, LLC DELET PLAZA		HWU, D.	HWU, DAVIS D		
SUITE 600	JEELT LAZA		ART UNIT	PAPER NUMBER		
ST. LOUIS, 1	MO 63105-3441		3752			

DATE MAILED: 11/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	on No.	Applicant(s)				
		10/632,89	1	WANG ET AL.				
	Office Action Summary	Examiner		Art Unit	<u></u>			
		Davis D. H	lwu	3752	ļ			
Pariod 6	The MAILING DATE of this communication				ddress			
Period for A SH	OF REPLY ORTENED STATUTORY PERIOD FOR R	EPLY IS SET T	O EXPIRE 3 MONTH	I(S) OR THIRTY (	30) DAYS,			
- Exte after - If NC - Failu Any	CHEVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 CI SIX (6) MONTHS from the mailing date of this communication of period for reply is specified above, the maximum statutory pure to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	FR 1.136(a). In no even on. period will apply and will statute, cause the appl	nt, however, may a reply be t I expire SIX (6) MONTHS from cation to become ABANDON	imety filed m the mailing date of this IED (35 U.S.C. § 133).	communication.			
Status								
1)🖂	Responsive to communication(s) filed on	28 October 200	<u>5</u> .					
2a) <u></u>								
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)⊠ Claim(s) <u>1-17 and 19-24</u> is/are pending in the application.								
4a) Of the above claim(s) <u>2-13 and 16</u> is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
6)🛛	6)⊠ Claim(s) <u>1,14,15,17,19,20 and 23-25</u> is/are rejected.							
7)🖂	7) Claim(s) 21 and 22 is/are objected to.							
8)[	Claim(s) are subject to restriction a	and/or election re	quirement.					
Applicat	ion Papers							
9) 🗌	The specification is objected to by the Exa	miner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the co	orrection is require	ed if the drawing(s) is o	bjected to. See 37 C	FR 1.121(d).			
11)[	The oath or declaration is objected to by the	ne Examiner. No	te the attached Offic	e Action or form P	TO-152.			
Priority (	ınder 35 U.S.C. § 119							
12)	Acknowledgment is made of a claim for for	reian priority und	ler 35 U.S.C. § 119(a	a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:								
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	t(s)							
1) Notic	e of References Cited (PTO-892)		4) Interview Summar	y (PTO-413)				
	e of Draftsperson's Patent Drawing Review (PTO-948		Paper No(s)/Mail [	Date	0 152)			
	mation Disclosure Statement(s) (PTO-1449 or PTO/S r No(s)/Mail Date	B/08)	5) Notice of Informal 6) Other:	ratent Application (PT	O-152)			
J.S. Patent and T	rademark Office							
PTOL-326 (R	ev. 7-05) Offi	ice Action Summar	P	art of Paper No./Mail [	Date 20051121			

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## Response to Amendment

1. Applicant's amendment and arguments of October 28, 2005 are acknowledged and entered and have been fully considered.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

## Claim Rejections - 35 USC § 102

3. Claims 1, 14, 15, 17, 19, and 23-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Sickles (US Patent 4,347,984).

Sickles shows an aerosol spray apparatus which carries out the method comprising:

- providing a grounded nozzle 3 and an electrode 15 separated by a
   predetermined distance (Column 5, lines 27-29);
- placing the electrode at a high electrical potential relative the nozzle, either of positive or negative polarity as recited;
- ejecting a liquid or powder from the nozzle towards the electrode to atomize the ejected liquid or powder into aerosol droplets or particles as recited, the aerosol droplets or particles obtaining an induced electric charge which is of the same polarity as the high voltage electrode;
- after the aerosol droplets or particles pass the vicinity of the electrode, forming a directed spray of aerosol droplets or particles as recited;
- providing a grounded conductive cover around the nozzle and the electrode,
   the cover having an opening as recited in claim 17.

Claim Rejections - 35 USC § 103

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requirements.

4. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sickles.
The resistivity range as recited is a matter of design choice based on the particular application of the device various liquids or powders will have different resistivity

## Allowable Subject Matter

- 5. Claims 21 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis D. Hwu whose telephone number is 571-272-4904. The examiner can normally be reached on 8:00-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Scherbel can be reached on 571-272-4919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Davis Hwu

DAVIS HWU PRIMARY EXAMINER